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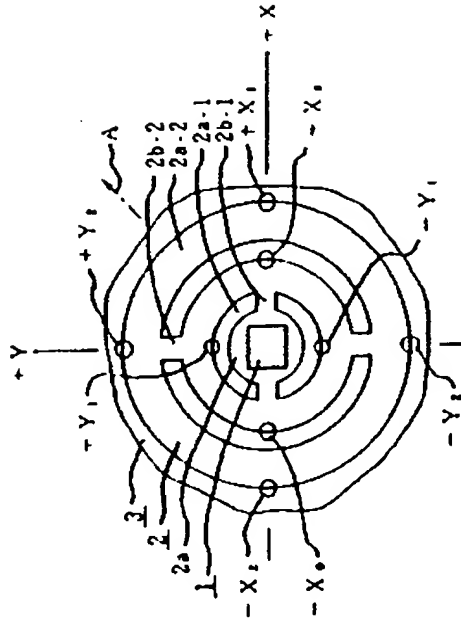
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TITLE : STRUCTURE FOR FIXING OPTICAL PARTS



ABSTRACT : **PURPOSE:** To nondestructively correct positions of optical parts even after the parts are fixed by welding by fixing a fitting plate to a fixed base plate by welding a n-th frame of the fitting plate to the fixed plate after the optical parts are fixed to the island of the fitting plate and fillet-welding the outer peripheral end faces of 1st to n-th frames of the fitting plate on the opposite side to the parts moving direction.

CONSTITUTION: After a fitting plate 2 mounted with optical parts 1 on an island 2a is placed on a prescribed position of a fixed base plate 3, the fitting plate 2 is fixed by laser welding by four points $-X_2$, $+X_2$, $-Y_2$, and $+Y_2$ on the outer peripheral end face of the 2nd frame 2a-2, namely, the outermost frame of the fitting plate 2, which are decided by quartering the frame 2a-2 (in the case of the appended figure, in the directions in which the 1st and 2nd connecting arms 2b-1 and 2b-2 are extended). The plate 2 can be fixed by lap welding performed from the upper surface instead of fillet welding. Therefore, the position of the optical parts can be changed nondestructively even after the fitting plate 2 is fixed by welding.

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